

74655-23

4/10/2013

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Kate Ingram  
Biocide Regulatory Manager for,  
Ashland Inc.  
7910 Baymeadows Way, Suite 100  
Jacksonville, FL 32256

APR 10 2013

Subject: Amerstat 251 microbiocide  
EPA Registration Number 74655-23  
Your Amendment Dated January 29, 2013  
EPA Received Date January 31<sup>st</sup>, 2013

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to add an additional alternate Confidential Statement of Formula, is acceptable.

A stamped copy of labeling is enclosed.

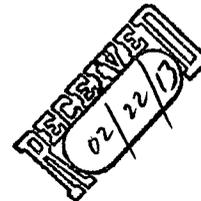
If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

A handwritten signature in black ink that reads "Marshall Swindell".

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7510P)

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# AMERSTAT® 251 microbiocide

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

## DANGER

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE AND SKIN BURNS. MAY CAUSE ALLERGIC SKIN REACTION. HARMFUL IF INHALED. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN.

Do not get in eyes, on skin, on clothing. Mixers, loaders and others exposed to this product must wear long-sleeved shirt and long pants; chemical resistant gloves such as nitrile or butyl rubber; shoes plus socks; goggles and face shield; and chemical resistant apron. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly. This product may cause skin sensitization reactions in some people.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic plants, fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply pesticide only as specified on this label.

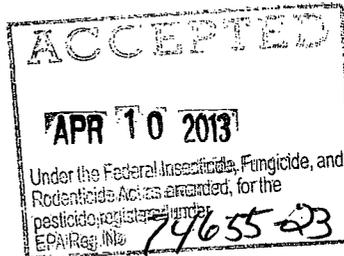
### ACTIVE INGREDIENTS:

|  |        |
|--|--------|
| 5-Chloro-2-methyl-4-isothiazolin-3-one.. | 1.11%  |
| 2-Methyl-4-isothiazolin-3-one.....       | 0.39%  |
| INERT INGREDIENTS.....                   | 98.50% |
| TOTAL.....                               | 100.0% |

This product contains the active ingredients at 0.1326 pounds per gallon  
Contents could be of U.S. or Great Britain

EPA Reg. No. 74655-23

EPA Est. No. 74655-TX-1  
74655-GA-001



**KEEP OUT OF REACH OF CHILDREN  
DANGER  
FIRST AID**

**IF IN EYES:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:**

Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF ON SKIN OR ON CLOTHING:**

Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment.

**IF INHALED:**

Move the person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**IN CASE OF EMERGENCY CALL  
1-800-ASHLAND**

**STORAGE AND DISPOSAL**

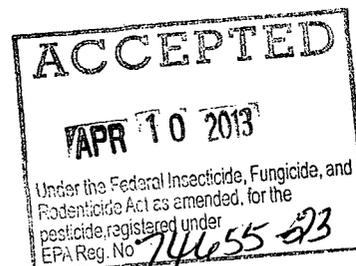
**DO NOT CONTAMINATE WATER, FOOD AND FEED BY STORAGE AND DISPOSAL**

**PESTICIDE STORAGE:** This product is corrosive to mild steel. Do not store or transport in unlined metal containers.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning, if appropriate. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**GENERAL:** CONSULT FEDERAL, STATE OR LOCAL DISPOSAL AUTHORITIES FOR APPROVED ALTERNATIVE PROCEDURES.



**DIRECTIONS FOR USE**

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

AMERSTAT® 251 microbiocide controls bacterial and fungal contamination in aqueous systems. AMERSTAT® 251 microbiocide is not recommended for use in potable water systems or where contamination of potable water can occur.

**SYNTHETIC LATEX PRESERVATIVE**

AMERSTAT® 251 microbiocide prevents microbial contamination in synthetic latex emulsion systems. The recommended dosage range level for latex preservation is 0.01 to 0.1% based on total weight of product. The most efficient range level for latex preservation is 0.02% to 0.06%. Compatibility must be part of the devaluation.

**ADHESIVES**

AMERSTAT® 251 microbiocide is an aqueous preservative designed to reduce bacterial and fungal contamination in natural (animal, protein and vegetable glues) and synthetic (polyvinyl acetate, ethylene vinyl acetate, styrene butadiene lattices, etc.) adhesives. It is extremely effective in reducing spoilage in adhesives formulated with animal, protein, vegetable, polyvinyl acetate, polyvinyl alcohol and styrene-butadiene ingredients.

The normal recommended dosage range is 0.01% to 0.10% based on the total formulation weight of the adhesive. A higher incorporation level, from 0.1% to 0.3% on a total weight basis, will be required in highly susceptible adhesives. The product can be added neat or diluted with water. AMERSTAT® 251 microbiocide can be incorporated with agitation either into the makeup water blend or post-added.

**PULP AND PAPER MILL SYSTEMS**

AMERSTAT® 251 microbiocide is a broad-spectrum anti-microbial product designed to control bacterial and fungal slimes in papermaking systems. Dosage of AMERSTAT® 251 microbiocide will vary from 0.44 to 1.5 lbs (7 to 23 fluid ounces) per ton (dry basis) of finished paper produced, depending upon the type of stock, raw water and degree of contamination. Badly fouled systems should be cleaned before initial treatment.

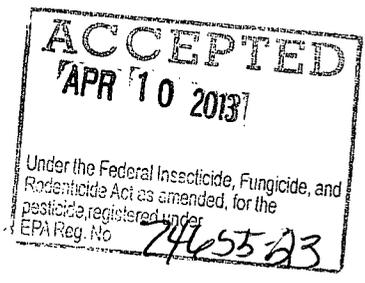
AMERSTAT 251 microbiocide is typically slug-fed with a chemical metering pump linked to a timer. It should be added to a point in the system to insure uniform mixing such as the beater, hydropulper, fan or broke storage pumps. Specific feeding points and schedules will be recommended by an Ashland representative for the particular application.

**MINERAL SLURRIES/COLORANTS**

AMERSTAT® 251 microbiocide can be incorporated into aqueous mineral slurries, such as clay, calcium carbonate and titanium dioxide to reduce bacterial and fungal contamination and thus maintain product integrity.

For mineral slurries, such as clay and calcium carbonate and other aqueous colorants, the recommended dosage range is 0.01% to 0.05% on the total formulation weight. In severely contaminated systems, a higher dosage level of 0.05% to 0.2% on the total formulation weight may be required.

AMERSTAT® 251 microbiocide is generally post-added, under slight agitation, into the mineral slurry or colorant before being stored or shipped.



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**METAL WORKING FLUIDS**

AMERSTAT® 251 microbiocide is recommended for use as a preservative in aqueous metal-working fluids.

To maintain an uncontaminated system, a minimum dosage level of approximately 225 ppm (1.93 pounds or 29 fluid ounces per 1000 gallons of water) of AMERSTAT® 251 microbiocide every four weeks would be appropriate.

Every eight or twelve weeks, 250-1200 ppm (2.07-9.94 pounds or 31-148 fluid ounces per 1000 gallons of water) of AMERSTAT® 251 microbiocide would be appropriate.

For a noticeably fouled system, an initial treatment at a dosage range of 500-1160 ppm (4.14-9.63 pounds or 62-143 fluid ounces per 1000 gallons of water in the system) would be suitable followed by maintenance dosages. Higher dosages and more frequent treatments may be needed depending on the rate of dilution of the preservative in the makeup fluid, the nature and severity of contamination, the level of control required, the effectiveness of filtration and the system design.

**INK/INK COMPONENTS/FOUNTAIN SOLUTIONS/PHOTO PLATE PROCESSING**

AMERSTAT® 251 microbiocide is recommended for water-based printing inks such as flexographic, gravure, screen and ink jet types.

AMERSTAT® 251 microbiocide is recommended for the control of bacteria and fungi in printing ink components such as resins, plasticizers, water-soluble dyes, pigments, gelling agents, waxes, surfactants and thickeners.

AMERSTAT® 251 microbiocide is recommended for the control of bacteria and fungi in fountain solutions and photo plate processing such as stabilizer solutions. AMERSTAT® 251 microbiocide should be added to the fountain solution concentration or processing chemical concentrate at a level to ensure optimum preservation. The recommended dosage range for ink, ink components, fountain solutions and photo plate processing chemicals is 0.1% to 1.0% on a total weight basis. The optimum level range for acidic fountain solutions is 0.2% to 0.5% and for neutral fountain solutions the level range is 0.5% to 0.8%. A level adjustment may be necessary to accommodate the slight change in solution formulations.

**FOR INDUSTRIAL USE ONLY**

IMPORTANT NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes slated on the label under normal conditions of use. THE FOREGOING WARRANTIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER WRITTEN, ORAL OR IMPLIED. THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN OTHER RESPECTS THAN AS EXPRESSLY SET FORTH HEREIN, ARE EXPRESSLY EXCLUDED AND DISCLAIMED.

NOTE: Buyer assumes all responsibility for safety and use not in accordance with directions.

Hercules Incorporated, A wholly owned subsidiary of Ashland Inc.  
500 Hercules Rd.  
Wilmington, DE 19894  
(302) 594-5000  
Emergency Phone Number  
1-800-ASHLAND (1-800-274-5263)

